



SAFETY DATA SHEET

1. Identification

Product Name

Cerium Oxide Glass Polishing Powder

Product Code

Crystal Edge

Distributor Information

Address:

Global Brokers

PO Box 197

Orangevale, CA 95662

Web- www.globalbrokersinc.com

Email- sales@globalbrokersinc.com

Ph- 916-933-8367

2. Hazards Identification

Classification of the substance or mixture

Not a hazardous substance or mixture.

Hazards not otherwise classified or not covered by GHS

None.

GHS label elements, including precautionary statements

Not a hazardous substance or mixture.



Signal word

Warning

Precautionary statements

P261: Avoid breathing dust

P271: Use only in a well-ventilated area.

P280: Wear protective gloves and eye protection.

P284: Wear respiratory protection in case of inadequate ventilation

P402: Store in a dry place

P403: Store in a well ventilated place

P404: Store in a closed container

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Rare Earth Oxide	68188-83-0	*
Rare Earth Fluoride	68188-85-2	*

* Combined Rare Earth Oxide/ Rare Earth Fluoride levels are greater than 95 %.

Rare Earth Oxide is a mixture of Cerium Oxide (1306-38-3), Lanthanum Oxide (1312-81-8), Praseodymium Oxide (12037-29-5), and Neodymium Oxide (1313-97-9) .

Rare Earth Fluoride is a mixture of Cerium Fluoride (7758-88-5) and Lanthanum Fluoride (13709-38-1).

4. First Aid Measures

Description of first aid measures

Inhalation:

Remove to fresh air. If required, provide artificial respiration. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

Eye Contact:

Flush eyes with water, as a precaution.

Ingestion:

Rinse mouth with water. Never give anything by mouth to an unconscious person.

Skin Contact:

Wash with soap and water, and rinse thoroughly.

Most important symptoms and effects, both acute and delayed

No data available

Indication of any immediate medical attention and special treatment needed:

No data available.

5. Fire Fighting Measures

Suitable extinguishing media

Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

No data available. Product is non-flammable.

Advice for firefighters

Wear self-contained breathing apparatus for fire fighting, if necessary.

Further information

No data available.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Avoid dust formation. Avoid breathing dust. Wear proper protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

Environmental Precautions:

Do not let product enter drains.

Methods and materials for containment and cleaning up

Wear personal protective equipment. Sweep up and shovel into suitable, closed containers for disposal.

7. Handling and Storage

Precautions for safe handling

Avoid dust formation. Avoid breathing dust.

Use only in area provided with appropriate exhaust ventilation. In case of insufficient ventilation, wear NIOSH approved respiratory equipment.

Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

Work in a well ventilated area. Wear proper protective equipment.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

8. Exposure Controls / Personal Protection

Exposure Limits:

Component	PEL (OSHA)	TLV (ACGIH)
Rare Earth Oxide	15 mg/m ³ Total; 5 mg/m ³ Respirable	10 mg/m ³ Total; 3 mg/m ³ Respirable
Rare Earth Fluoride	2.5 mg/m ³ as F	2.5 mg/m ³ as F

Appropriate engineering controls

General industrial hygiene practice.

Personal protective equipment

Eye/face protection:

Use equipment for eye protection, tested and approved by NIOSH. Chemical goggles are recommended.

Skin Protection:

Handle with gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash hands afterwards.

Body Protection:

Wear protective clothing. Remove and wash contaminated clothing before re-use.

Respiratory Protection:

Use NIOSH approved respiratory protection in cases of insufficient ventilation, or if concentrations are above the exposure limits.

Control of Environmental Exposure:

Do not let product enter drains.

9. Physical and Chemical Properties

Appearance	White powder or tan powder
Odor	Odorless
Odor threshold	No data available
pH	6.5 - 7.5 in 10% slurry
Boiling Point:	NA, powder
Freezing Point:	NA, powder

Melting Point: No data available
Flash point: No data available
Evaporation rate No data available
Flammability (solid,gas) NA. Non-flammable

Initial boiling point and
boiling range NA, powder

Upper/lower flammability
or explosive limits NA. Non-flammable

Vapor pressure No data available
Vapor density No data available
Relative density 6.0 – 7.0 g/ml
Water Solubility Insoluble

Partition coefficient
(n-octanol/water) No data available

Auto-ignition
temperature No data available

Decomposition
temperature No data available

Viscosity NA, powder

10. Stability and Reactivity

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions:

No data available

Conditions to avoid

No data available

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

No data available. In the event of fire, see section 5

11. Toxicological Information

Information on toxicological effects

Acute toxicity

Rare Earth Oxide

NIOSH - LD50s and LC50s Oral LD50 (rat) > 5,000 mg/kg

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

Not listed by IARC, NTP or OSHA as a carcinogen.

Reproductive toxicity

No data available

Specific target organ toxicity – single exposure

No data available

Specific target organ toxicity – repeated exposure

No data available

Aspiration hazard

No data available

12. Ecological Information

Toxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

Not data available

13. Disposal Considerations

Disposal instructions

Waste must be disposed of in accordance with federal, state and local environmental control regulations. This product contains Naturally Occurring Radioactive Materials (NORM). Consult and comply with current regulations.

Unused product is nonhazardous for characteristic toxicity when tested by the EPA TCLP Method.

14. Transport Information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. Regulatory Information

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

16. Other Information

HMIS RATING

Health 1, Flammability 0, Reactivity 0, Personal Protection E

NFPA RATING

Health 1, Flammability 0, Reactivity 0

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